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SECTION I. (AMENDMENTS TO THE CLAIMS)

Please amend the claims as set forth below:

1. **(Cancelled)**
2. **(Cancelled)**
3. **(Cancelled)**
4. **(Cancelled)**
5. **(Cancelled)**
6. **(Cancelled)**
7. **(Cancelled)**

8. **(Previously presented)** A high throughput liquid chromatography system comprising:

a plurality of separation columns containing stationary phase material and adapted to perform a plurality of parallel chromatographic separations;

a plurality of flow-through detection regions in fluid communication with the plurality of separation columns, wherein each detection region of the plurality of detection regions includes an internal cavity having a flow axis;

a common radiation source for emitting radiation, wherein at least a portion of the radiation is transmitted into each detection region of the plurality of detection regions substantially coaxially with the flow axis of each detection region of the plurality of detection regions;

a wavelength selection element disposed between the common radiation source and the plurality of detection regions;

a multi-channel detector in sensory communication with each detection region of the plurality of detection regions; and

a plurality of fiber optic conduits disposed between the wavelength selection element and the plurality of detection regions for transmitting radiation emitted from the radiation source to the plurality of detection regions, wherein each fiber optic conduit of the plurality of fiber optic conduits has a first end that bounds a portion of the cavity of a different flow-through detection region of the plurality of detection regions.

9. **(Previously presented)** The system of claim 8, further comprising a plurality of flow cells, wherein each detection region of the plurality of detection regions is disposed within a different flow cell of the plurality of flow cells.